

**Mass flowmeter****Publication number:** EP0691528 (A2)**Publication date:** 1996-01-10**Inventor(s):** VAN DER POL RONALD DIPL-ING [NL] +**Applicant(s):** KROHNE AG [CH] +**Classification:**- International: **G01F1/84; G01F1/76;** (IPC1-7): G01F1/84

- European: G01F1/84

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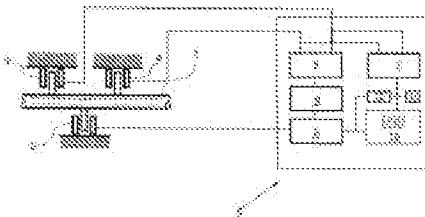
- EP0691528 (A3)
- EP0691528 (B1)
- JP8170927 (A)
- DE4423168 (A1)

**Cited documents:**

- WO9322629 (A1)
- WO8802105 (A1)
- EP0272758 (A2)
- DE4327052 (A1)
- EP0212782 (A1)

**Abstract of EP 0691528 (A2)**

The mass flow meter includes a control system (5), which contains a vibration generator (6) acting on a vibration producer (2) attached to the Coriolis tube (1) conveying the substance. Two vibration receivers (3,4) transmit measuring signals to a phase-difference detector (7) in the control system which determines the proportional phase difference between them in the Coriolis line. This information appears on a digital display (10). In this system the stimulation-generator (6) is adjustable so that the amplitude of the vibration at the Coriolis line may have an optimal value. A regulator (8) controls the time-averaged amplitude of the vibration generator (6). There is also an overload warning system (11) using a threshold comparator (12).

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